ACGNJ Announcements

ACGNJ HAS SUMMER ACTIVITIES!

While many of our meetings shut down for the summer, others **don't**. Some of our Special Interest Groups have meetings scheduled. When you're not "catching some rays" or "riding the wild surf", maybe you might consider attending a few of them. Have you been curious about one or more of the SIGs to the right, but just haven't found the time to "drop in"? This could be the opportunity you've been looking for.

Have a great summer, full of fun, adventure and relaxation; and computer stuff **too**!

REMEMBER THESE DATES:

July 11, 2014 is the **twentieth** anniversary of the death of Dr. Gary Arlen Kildall. He was the **real** "Father of the Personal Computer Revolution", the true progenitor of all things now credited to another. (See *Lest We Forget* in the September 2007 ACGNJ News).

July 25, 2014 is the **fifteenth** Annual System Administrator Appreciation Day. Send your Sysadmin a bouquet of flowers and maybe some candy. (Unless you **want** your network connection to suddenly go down at the worst possible moment). For further information, please go to:
http://www.sysadminday.com

This newsletter was made by *100% pure* Linux!
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ACGNJ Meetings

For the very latest news on ACGNJ meetings, please visit the ACGNJ Website (*www.acgnj.org*).

> For news from OTHER clubs, please go to:
> *http://www.acgnj.org/joomla/*

Lunics (Linux/UNIX): Monday, July 7, 8:00 PM
                                    Monday, August 4, 8:00 PM
     Andreas Meyer (lunics (at) acgnj.org)
Java: Tuesday, July 8, 7:30 PM
     (No meeting in August)
     Mike Redlich (mike (at) redlich.net)
Investing: Thursday, July 10, 8:00 PM
                          Thursday, August 14, 8:00 PM
     Jim Cooper (jim (at) thecoopers.org).
NJ Gamers: Friday, July 11, **6**:00 PM
                          Friday, August 8, **6**:00 PM
     Gregg McCarthy (greggmajestic (at) gmail.com)
Mobile Devices: (No meeting in July)
                          Wednesday, August 13, 7:30 PM
     Brenda Bell (mobdevsig (at) acgnj.org)
Web Browser: (No meeting in July)
                          (No meeting in August)
     David McRitchie (firefox (at) acgnj.org)

*The following **do not** hold meetings in the summer: C/C++, Hardware, Layman's Forum, Main Meeting, WebDev, Window Pains.*

All meetings, unless otherwise noted, are at the Scotch Plains Rescue Squad, 1916 Bartle Ave, Scotch Plains, New Jersey. Directions and map on last page.

http://www.acgnj.org

Founded 1975

In This Issue

Officers, Directors and Leaders

President	Mike Redlich	(908) 246-0410	Director Emeritus	Sol Libes	(609) 520-9024
Vice President	Wendy Bell		Through 2015	Gregg McCarthy	
Treasurer	Malthi Masurekar	(732) 560-1534		John Raff	(973) 533-0664
Secretary	Brenda Bell			Frank Warren	(908) 756-1681
Past President	Evan Williams	(908) 359-8070		(Open)	
			Through 2014	Bob Hawes	
Special Interest Groups				David McRitchie	
C Languages	Bruce Arnold	(908) 735-7898		Michael Reagan	
Genealogy	Frank Warren	(908) 756-1681		(Open)	
Hardware	Mike Reagan		**Standing Committees**		
Investing	Jim Cooper		APCUG Rep.	Frank Warren	(908) 756-1681
Java	Michael Redlich	(908) 246-0410	Facilities	John Raff	(973) 533-0664
Layman's Forum	Matthew Skoda	(908) 359-8842	Financial	Evan Williams	(908) 359-8070
LUNICS	Andreas Meyer		Historian	Lenny Thomas	
Mobile Devices	Brenda Bell		Membership	Bob Hawes	
NJ Gamers	Gregg McCarthy		Newsletter	Bob Hawes	
Web Browser	David McRitchie		Publicity	Gregg McCarthy	
WebDev	Evan Williams	(908) 359-8070	Trenton Computer Fest	Mike Redlich	(908) 246-0410
Window Pains	John Raff	(973) 533-0664	Vendor Liaison	Arnold Milstein	(908) 753-8036
			Webmaster	John Raff	(973) 533-0664

ACGNJ News

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Submissions: Articles, reviews, cartoons, illustrations. Most common formats are acceptable. Graphics embedded in the document must also be sent as separate files. E-mail submissions to newsletter@acgnj.org preferred. **Always confirm**. Date review and include name of word processor used, your name, address and phone and name, address and phone of manufacturer, if available.

Tips for reviewers: Why does anyone need it? Why did you like it or hate it? Ease (or difficulty) of installation, learning and use. Would you pay for it?

Advertising: Non-commercial announcements from members are free. Commercial ads 15 cents per word, $5 minimum. Camera ready display ads: Full page (7 x 10 inches) $150, two-thirds page (4.5 x 10) $115, half-page $85, one-third $57, quarter $50, eighth $30. Discount 10% on 3 or more consecutive insertions. Enclose payment.

Publication Exchange: Other computer user groups are invited to send a subscription to ACGNJ at the address below. We will respond in kind.

Address Changes should be e-mailed to *membership@acgnj.org* or sent to ACGNJ at the address below.

Membership: Regular (now includes *all* family members who reside at the same address): 1 year $25, 2 years $40, 3 years $55. Student: 1 year $20. Senior Citizen (over 65): 1 year $20, 3 years $45. Send name, address and payment to ACGNJ, PO Box 135, Scotch Plains NJ 07076.

Typographic Note: This ACGNJ News was produced using Scribus 1.3.3.13. Font families used are Times New Roman (TT) for body text, Arial (TT) for headlines.

E-Mail Addresses
Here are the e-mail addresses of ACGNJ Officers, Directors and SIG Leaders (and the Newsletter Editor). This list is also at (*http://www.acgnj.org/officers.html*).

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Evan Williams	tech@evanwilliamsconsulting.com

ACGNJ Investment Meeting SUMMARY (June 12th, 2014)
Philip Lees, ACGNJ

We had **14** attendees at June's meeting and a lot of interesting discussion on the markets.

Ernest Andalcio did another presentation on the dough.com trading platform, which generated a lot of interested questions about the platform itself and about the specific options strategies that Ernest uses in his trading. He said that he would document further trades and do a follow-up meeting in July.

There was a short cookie-break and thank you to those who kindly provided the cookies.

Jim Cooper has been working on some trading rules for a "Breakout-Finder", which he openly discussed all of its setup and trading rules, including entry and exit stops. After some open discussion, Jim said that he would revisit the system at a later meeting, possibly in July or August.

Thank you to everyone who attended. We hope to see you at July's meeting on **7/10/14**. Philip 💻

Mobile Devices Meeting (June 11, 2014)
Brenda Bell, ACGNJ

The posted June topic for Mobile Devices was "Windows Phone". Wendy Bell got to show off her new Nokia Lumia 928 Windows Phone. We briefly discussed the operating system (Windows RT), the Metro (Live Tile) interface, and the Settings menu, checked the specs of its built-in camera, checked out its versions of Office 365 and Internet Explorer, visited the Windows Store, and looked at Mobile Pocket (a Windows phone "Keyring"-like app).

We also took a quick look at WiFi Direct (Wi-Di), the latest method of wirelessly connecting computers and mobile devices to projectors and large-screen televisions. Unfortunately, the Lumia 928 does not have Wi-Di support. Instead, it has a method of sharing snapshots of its screen over a Web site. We had an interesting time trying to figure out how to refresh the page to the current display without disconnecting the phone from the site.

Attendance was sparse (3): Wendy, Dave McRitchie, and myself. Wendy suggested trying to schedule a more complete Windows Phone demonstration at the Microsoft Store. 💻

Editorial History
Bob Hawes, ACGNJ

As we celebrate our 39th Anniversary, I thought it would be nice to look back at the history of our newsletter. Further below, we'll look at my more recent actions; but we'll start by looking at my predecessors as ACGNJ Newsletter Editor. First, of course, is Sol Libes. From June 1975 through February 1977, and later from October through December of 1983, Sol was credited as Editor. Officially, that only adds up to 2 years. However, in most issues during the 70's and 80's where Sol *wasn't* actually credited as Editor, he was variously listed as Assistant Editor, Assisting Editor, Contributing Editor, or "Working, Guiding, Idea Generating, Hand Holding, and Moral Supporting Editor". Counting those appearances would increase Sol's term of service to <u>**15**</u> years. I, for one, think he deserves it.

Unfortunately, also during the 70's and 80's, a ***whole lot*** of other people were credited as a whole lot of other types of subsidiary editors. Including, at one point, *thirteen* Contributing Editors. In fairness, if we count all such appearances for Sol, we should count them for everyone else as well; and we just *can't* do that. It would lead to chaos. So, unfair as it may be, Sol only gets credited as Editor for 2 years. (But we still love him anyway).

From March 1977 through December 1979, and then from November 1981 through December 1982, Russell Gorr was credited as Editor. That adds up to 4 years for Russell. Now for that gap between Russell's terms: From January through November of 1980, Fred Gohlke ***and*** Tom Milkowski were credited as Editors. In December 1980 and January 1981, Fred Gohlke, Tom Milkowski and Joe

Tomalesky were credited as Editors; and from February through October of 1981, Fred Gohlke and Joe Tomalesky were credited as Editors. Later, from April 1986 through February 1989, Fred Gohlke was again credited as Editor. That adds up to 4 years and 8 months for Fred, 1 year and 1 month for Tom, and 11 months for Joe.

From January through September of 1983, Brian Boccardi was credited as Editor. That's 9 months for Brian. From January 1984 through December 1985, and from March 1989 through February 1990, Neil Sanford was credited as Editor. That adds up to 3 years for Neil. From March 1990 through October 1993, Alex Goldfinger was credited as Editor. That's 3 years and 8 months for Alex. From November 1993 through September 1994 (the last 1994 issue), Alice Lebenson was credited as Editor. That's 11 months for Alice. Then, of course, from 1995 through 2011, we have the <u>*17*</u> year reign of Barbara DeGroot.

Listed by length of service:

Brian Boccardi: 9 months

Joe Tomalesky: 11 months
Alice Lebenson: 11 months
Tom Milkowski: 1 year, 1 month
Sol Libes: 2 years
Neil Sanford: 3 years
Alex Goldfinger: 3 years. 8 months
Russell Gorr: 4 years
Fred Gohlke: 4 years, 8 months
Barbara DeGroot: 17 years

Now we come to my favorite subject: me. Right now, at 2 years and 6 months as full-time Editor (*not* counting this month, because, as I write this, it *isn't* finished yet), I've already surpassed half of my predecessors. In just over two more years, I'll have passed everyone *except* Barbara. I won't match Barbara's record until 20<u>28</u>, at which time I'll be *eighty* years old. Wow! Plus, before I became full-time Editor, I put in 3 ½ years of "practice" as a part-time Editor. However, as we've already established in Sol's case, those years just *don't* count; but that doesn't mean I can't write about them here. So that's what I'm going to do.

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The first newsletter that I created for ACGNJ was 2,004 words long, and was really an e-mail. It was sent out in the last few days of June, 2008, as a test for an experimental "e-mail blast" system. The idea was to devise a way to quickly notify *all* of our club members in case of an emergency. It actually worked pretty well, too. (At least for a while). The message itself was identified as "Volume 33, Number 06S" - "End-of-June 2008 Supplement". Barbara DeGroot was credited as Editor, Bill Farrell was credited as Associate Editor, and Bob Hawes (me) was credited as Contributing Writer. (This was the way Barbara and Bill were credited in the regular June 2008 issue; but *neither*, in fact, contributed anything to this issue. It was totally my project).

Its front page headline read "ACGNJ HAS SUMMER ACTIVITIES!" and its *second* paragraph began: **"**This isn't a summer newsletter issue. Really, it's not. As it says, it's an "End-of-June Supplement". It's also an experiment to "push" the newsletter to our members. That's why it's being sent as e-mail. (Though eventually, for the archives, there'll be a PDF version)**"**. Said PDF version was begun in

September of 2008. It was 4 pages long, and was laid out in full page width format (due to its e-mail origin). It was produced by Scribus 1.3.3.12 (probably the Windows version), and was essentially finished in October of 2008. (Although a typo was found and corrected in August of 200<u>9</u>, and a version in which the links always worked properly was <u>*never*</u> produced).

Near the top of page one in the PDF version, I added a large text box, in *red* letters, saying: **"**The original e-mail version of this Supplement was kept as "plain-vanilla" as possible. Except for displaying the first line (Amateur Computer Group of New Jersey NEWS) in as large a font as available (for a pseudo-masthead effect), everything else was restricted to straight ASCII text. This PDF is more elaborate. Of the twenty-two "frames" in the entire document, <u>ten</u> are here in the first three inches of page one. Some minor text editing was done, such as striking-out those instructions that only work for e-mail. Plus, a picture not included in the e-mail version was added on page two, and this explanatory text block was added here**"**.

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Well, that was fun, and maybe even educational. Now, let's get to the point. Near the bottom of page two there was a 319 word "MAIN MEETING REPORT", and in the middle of page three there was a 502 word "WINDOW PAINS REPORT". (Neither listed a separate author credit). The first described how Apple's David M. Marra gave his "Introducing Mac OS X v.10.5 Leopard!" presentation at our June 6, 2008 Main Meeting. The second described how Phil Frigm, Special Agent with the FBI, made a presentation entitled; "Computer Security and Computer Crimes" at our June 20, 2008 Window Pains Meeting. While some of each report consisted of notes that I took at those meetings, most of both came from speaker-supplied information that John Raff had posted on our club web site. For the purposes of this article, I'm *not* counting my own contributions. So I'm crediting the first report to Dave Marra and John Raff, and the second report to Phil Frigm and John Raff. Thus, their origins are "mostly foreign".

The second newsletter I made for ACGNJ was 20 pages long, and was the first to be laid out in my two column, half page format. It was identified as "Volume 33, Number 10S" - "End-of-Year 2008 Supplement". Barbara DeGroot was credited as Editor, and Robert D. Hawes (me again) was credited as: Writer, Artist, Contributing Editor, Typographer, Lexicographer, Copy Boy, Choreographer, Gaffer, DGA Trainee, Caterer, and Lower Assistant Flunky. In addition to *five* short articles written by me, it contained reference copies of the December 2001 Constitution, the December 2001 By-Laws and the December 2008 By-Laws. (Those, of course, were written by a *whole lot* of other people, all of whom were club members). So no "foreign" articles here.

The third newsletter I made for ACGNJ was 10 pages long, and was identified as "Volume 34, Number 07" - "July 2009". Barbara DeGroot was credited as Editor, and Robert D. Hawes was credited as Writer, Typographer, Contributing Editor. It was produced by Scribus 1.3.3.12 (probably the Linux version). In addition to four short articles

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written by me, it contained a copy of the December 200**8** Constitution. (The latest version, as of this writing). The fourth newsletter I made for ACGNJ was 15 pages long, and was identified as "Volume 34, Number 08" - "August 2009". Barbara DeGroot was again credited as Editor, and Robert D. Hawes was again credited as Writer, Typographer, Contributing Editor. In addition to five short articles written by me, it contained a copy of the May 200**9** By-Laws. (The latest version, as of this writing).

The fifth newsletter I made for ACGNJ was 8 pages long, and was identified as "Volume 35, Number 07" - "July 2010". It was produced by Scribus 1.3.3.13 (definitely the Linux version). It contained my first member submission: *Firefox Usage Notes*, by David McRitchie. The sixth newsletter I made for ACGNJ was 4 pages long, and was identified as "Volume 35, Number 08S" - "Rejected First Version of August 2010". It was a failed attempt to produce a newsletter using the club's copy of Ventura Publisher running under Windows; but its first four pages were saved because they might have "historical significance". (I intended to try another such

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experiment someday, but I became so disgusted with Windows that I never did). The seventh newsletter I made for ACGNJ was 14 pages long, and was identified as "Volume 35, Number 08" - "August 2010". It was a successful re-make of that failed attempt above, produced by Scribus 1.3.3.13 (running under Linux). It was all written by me, so no "foreign imports"

The eighth newsletter I made for ACGNJ was 16 pages long, and was identified as "Volume 36, Number 07" - "July 2011". It contained three "foreign" articles: *Digital Asset Management Software* by Mike Morris, *Linux Software of the Month: April 2011* by Geof Goodrum, and *Getting to Know Your Keyboard Function Keys & Keyboard Shortcuts* by Constance Brown. This was the issue in which I developed my "wacky kludges", and thus was *finally* able to produce PDF files containing Internet links that *always* worked properly, no matter which operating system my readers were using. (For further details, see *In Search of the Missing Links*, my article in that self-same July 2011 issue). The ninth newsletter I made for ACGNJ was 16 pages

long, and was identified as "Volume 36, Number 08" - "August 2011". Five articles by me, plus *Create PDF Files for Free* by Ira Wilsker.

The tenth newsletter I made for ACGNJ was 26 pages long, and was identified as "Volume 36, Number 13" - "October/December 2011 Supplement". (Also known as: "October 2011 Special Security Edition", it contained fifteen "foreign" articles about security). Barbara DeGroot was credited as ACGNJ Editor, Judy Taylour was credited as Special Guest Editor, and Bob Hawes was credited as Layout. That's an in-joke. One issue *before* Barbara became full-time editor, she was credited as Layout. I figured "If it was good enough for her, it's good enough for me".

Actually, that's a pretty good description of what I really did. This issue came to us as a Word DOC file, already put together by Judy Taylour. With her permission, I added our masthead to page one and moved some things around there. On the other pages, all I did was add or remove blank lines between the articles, until they lined up nicely. In other words:

Layout. Then I created the PDF file directly from my word processor (*not* using Scribus). Thus, this issue retained the full page width format used by Judy. Since these fifteen articles had all been selected by Judy as well, I'm *not* going to count them in my totals. Therefore, in my 3 ½ years of "warm-up" as a part-time Editor, I only used *seven* articles that *weren't* written by me. (One submitted by a member, two mostly foreign, and four foreign).

Over the years, I've mentioned several times that I've been keeping a running total of the articles that I've written for this newsletter, starting with my very first (in May of 200**5**). Currently, it stands at 119 articles, *not* counting this one. Now, I'll be keeping separate totals of articles from other sources as well. (For an even more detailed run-down and count-up of the articles that I wrote during 2012 and 2013, see *Year End Review* in our December 2013 issue).

My first issue as full-time ACGNJ Newsletter Editor was 16 pages long, and was identified as "Volume 37, Number 01" - "January 2012". It contained five articles written by me (though I only counted *three*

of them in my running total), plus two foreign articles: *Happy Legal Holidays* by Kevin Underhill and *Microsoft Offers Free "Windows Defender Offline Tool" (beta)* by Ira Wilsker. Now re-classifying those two "mostly foreign" articles from above as just foreign, that brought my article totals to **88** by me, **1** "member submitted", and **8** foreign. (From now on, to save space, I *won't* list authors and titles separately for most articles).

Our February 2012 issue contained one article by me and *five* foreign articles. Our March 2012 issue contained one article by me and four foreign articles. Our April 2012 issue contained two uncredited articles (an obituary of *Bill Farrell* and *2012 Hobbyists of the Year: Barbara and Walter DeGroot*), one article by me, and four more foreign articles. Our May 2012 issue was an expanded edition (**24** pages long). It contained my first "Letter to the Editor" (from Professor Harry Broderick, about Bill Farrell), an article by me, and *eight* foreign articles. Our June 2012 issue contained an Editorial by me, an article by me, and another five foreign articles. (The Bill Farrell obituary was from

an outside source, so it counted as foreign. The Barbara and Walter article was written by me; but at 101 words, it was "too small" to count. The Harry Broderick letter counted as a letter; and at 192 words, my June Editorial was also too small). That brought my June 2012 totals to **93** by me, **1** "member submitted", **1** letter, and **35** foreign.

Our July 2012 issue contained an article by me, and four foreign articles. Our August 2012 issue contained an article by me and four more foreign articles. Unfortunately, it also contained four uncertain items. *ACGNJ HAS AUGUST ACTIVITIES!* on page 1 (at 114 words), *REMEMBER THESE DATES:* on page 1 (at 121 words), and *TCF Will Return!* on page 3 (at 117 words) were all written by me, based on information I got from other places. Fortunately, they are all *too small* to be counted. That just leaves *Please Come To Our Annual Planning Meeting!* on page 3. At 374 words, it *is* countable; but it was copied by me from our club web site, and it was written by an unknown author (or authors). That makes it "generic club information". So, like the By-Laws mentioned

above, it ***doesn't*** have to be counted.

Our September 2012 issue contained an article by me, five foreign articles, and my second "Letter to the Editor" (from Eric Hafler), Unhappily for me, he had a legitimate complaint. I'd misspelled his last name in our August issue. As a person whose last name is often misspelled, I sympathized with him completely, and I apologized. Our October 2012 issue was an abbreviated edition (only **12** pages long), containing two articles by me. (A third, *Happy Halloween!* on page 1, was judged "too small" to be counted). It also contained one foreign article, my second member submission (*HOPE 9, July 13-15, 2012* by Cass & Ruth Lewart), and two cartoons by Greg West. (Since they're on the same page, I'm counting them as only ***one*** additional foreign article).

Our November 2012 issue contained an article by me, four foreign articles, and ***five*** cartoons by Greg West. (Since they are located on pages 8 and 12, I'm counting them as ***two*** additional foreign articles). Our December 2012 issue contained one article by me. (A second, *Happy Holidays!* on page 1, was

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judged "too small" to be counted). It also contained two foreign articles, and five ***more*** cartoons by Greg West. (Since they're located on three different pages, I'm counting them as ***three*** additional foreign articles). That brought my December 2012 totals to **100** by me, **2** "member submitted", **2** letters, and **61** foreign.

Our January 2013 issue contained an article by me, one foreign article, one member submitted article. and the first President's Note (by Mike Redlich). Our February 2013 issue contained an article by me, four foreign articles, and one uncertain item: *TCF is Coming* on page 1 was mostly made up of information that I copied from the TCF website, so it was "more edited than authored". Plus, at 202 words, it was "on the small side". Combining those two reasons, it ***wasn't*** counted. Our March 2013 issue contained an article by me, four foreign articles, and our second President's Note.

Our April 2013 issue contained an article by me and four foreign articles. (There was also a photo of John Raff and myself on page 1, which ***wasn't*** counted).

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Our May 2013 issue contained an article by me, four foreign articles, and a cartoon by Greg West on page 1 (which I'm counting as a fifth foreign article). Our June 2013 issue contained an article by me, three foreign articles, and a cartoon by Greg West on page 1 (which I'm counting as a fourth foreign article). That brought our June 2013 totals to **106** by me, **3** "member submitted", **2** letters, **2** President's Notes, and **83** foreign.

Our July 2013 issue contained an article by me and four foreign articles. Our August 2013 issue contained an article by me, five foreign articles, and my third "Letter to the Editor" (from Dr. Steve Palaszewski, President of the New Outlook Pioneers Morris Club). He advised me that the magazine subscription advertisement on our next-to-the-last page was ***way*** out of date. So I thanked him and removed it. That August issue also contained *2013 ACGNJ Planning Meeting* (our third President's Note) and *Investment SIG Meeting Summary (July 11, 2013)* by Philip Lees (our ***first*** monthly report from a SIG). Our September 2013 issue contained an article by me, three foreign articles, our fourth

President's Note, and our second monthly report from a SIG (also by Philip Lees).

Our October 2013 issue contained an article by me, a member submitted article. two foreign articles, our fifth President's Note, our third monthly report from a SIG (again by Philip Lees), and an *ACGNJ Planning Meeting Mini-Report*. (At 76 words, a second article by me, *Which Witch Is Which?* was just too small). Our November 2013 issue contained an article by me, two foreign articles, our sixth President's Note, our fourth monthly report from a SIG (by Philip Lees), a *Main Meeting Mini-Report* and a *Window Pains Mini-Report*. Our December 2013 issue contained an article by me, two foreign articles, and our fifth monthly report from a SIG (by Philip Lees), In addition, three *ACGNJ Mini-Reports* were included: (*C/C++ SIG*, *Main Meeting*, and *Window Pains*). That brought our December 2013 totals to **112** by me, **4** "member submitted", **3** letters, **6** President's Notes, **5** Investment SIG reports, **6** Mini-Reports and **101** foreign.

Our January 2014 issue contained an article by me, three foreign articles, our seventh President's Note,

and our sixth monthly report from a SIG (by Philip Lees). In addition, three *ACGNJ Mini-Reports* were included: (*Java SIG*, *Main Meeting*, and *Window Pains*). Our February 2014 issue contained an article by me, four foreign articles, our eighth President's Note, our seventh monthly report from a SIG (by Philip Lees), and three *ACGNJ Mini-Reports* (*Java SIG*, *Main Meeting*, and *Window Pains*). Our March 2014 issue contained an article by me, another four foreign articles, our ninth President's Note, our eighth monthly report from a SIG (by Philip Lees), and those three *ACGNJ Mini-Reports* (*Java SIG*, *Main Meeting*, and *Window Pains*).

Our April 2014 issue contained an article by me, two foreign articles, our tenth President's Note, our ninth monthly report from a SIG (by Philip Lees), and those three *ACGNJ Mini-Reports* again (*Java SIG*, *Main Meeting*, and *Window Pains*). Plus, Don McBride (who presented *Vintage Computer Meeting Workshop & My Web Page* at our March 21 Window Pains Meeting) sent us an e-mail of his handout from that event. So I included it under the title *Handout*

From Don McBride, and I'm counting it as a member submitted article. Also, I wound up with a "hole" on page 12. To fill it, I recycled my "Computer Gremlins" cartoon (which I've used at least twice before), and I gave it the title *Our Tech Support Crew In Action*. However, since those six words in the title were the **only** words it contained, it was **definitely** too short to be counted as an article by me.

Our May 2014 issue contained an article by me, two foreign articles, our tenth monthly report from a SIG (by Philip Lees), and those three *ACGNJ Mini-Reports* again (*Java SIG*, *Main Meeting*, and *Window Pains*). It also contained a long-form report titled *CSIG of the ACGNJ* (which I'm counting as a member submitted article rather than a SIG report), and an E-mail to the Editor from Rebecca Mercuri. Its subject was: IEEE Milestone for Gary Kildall. (The TRUE "Father Of The Personal Computer Revolution"). I expanded it considerably, using the Internet links Rebecca provided. So I'm counting Rebecca's e-mail as a Letter to the Editor, and I'm **also** counting that expanded portion as a member

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submitted article.

Our June 2014 issue was an abbreviated edition (only **12** pages long), containing **two** articles by me. My second article was *39/40: An Editorial Nit Pick*. At only 218 words, it fell into a "gray" area. (As mentioned above, articles of that size are "on the small side". I may or may not count them, depending on their content). This one contained a Jack Benny joke that I'm very proud of, so I counted it. June also contained our eleventh President's Note, our eleventh monthly report from a SIG (by Philip Lees),

those three *ACGNJ Mini-Reports* yet again (*Java SIG*, *Main Meeting*, and *Window Pains*), *2014 ACGNJ Planning Meeting* (an expanded announcement by Mike Redlich which I'm counting as a member submitted article), and one foreign article. That brings our June 2014 totals to **119** by me, **8** "member submitted", **4** letters, **11** President's Notes, **11** Investment SIG reports, **24** Mini-Reports and **117** foreign. Well, we've run **way** too long, so I'll finish up quickly:

See you next month. 💻

I Want It Now!

Greg Skalka, President, Under the Computer Hood User Group, CA
Newsletter: Drive Light (www.uchug.org) president (at) uchug.org

This may sound like the utterance of a tantrum-happy young child, but it also seems to be the mantra of the modern computer and technology user. Our popular culture today is all about instant gratification, and this is spilling over into our technology. Everyone wants instant access to information, communications, finance and commerce wherever they are and no matter what

they are doing. While this is a rather tall order, tech companies are doing their best to grant us this wish. We are getting more connected and interconnected all the time. While this can provide great benefits, increasing our knowledge and security and saving us time and money, it can also be detrimental to us in many of the same ways. Are we trading away important aspects of our lives like privacy and

individuality for speed and convenience?

The engine that drives all the increases in convenience in our lives is the Internet. Computers and tablets are powerful devices but are of relatively little use if not connected to the Internet. The Internet is the connection medium through which all our modern communications and access to information flow. The telecommunication (phone) system was once the most powerful and far-reaching network in the world, but its demotion can be seen in the low percentage of time that the typical smart phone user spends in voice calls. The average smart phone is now being used mostly to check email, monitor social media, play games and provide directions, functions which utilize the Internet. Our desire for increased connectedness and higher connection speeds continues to be met by our service providers, be they cable, telecom or cellular. The promises of online conveniences like streaming entertainment, security camera monitoring and video conferencing cannot be met without broadband Internet connections that are always live. Remember

the days when you had to wait until the home phone line was free so you could use your modem to make your dial-up Internet connection? A down or even slow connection is now exasperating to the individual and death to a business. Today almost anyone in the United States can have a broadband connection. Cable companies have upgraded their systems, the phone companies have added fiber and the cellular providers have upped their "G's" or generations in data networking capabilities. Even those living off the beaten path in rural areas outside the reach of cable can get broadband through satellite connections, using technology developed by our local company, ViaSat. All this capability comes at a price, however.

Naturally users were not satisfied to be connected only at home, so our tech industry gave us laptops to travel with. We wanted more portability, so they gave us Wi-Fi, tablets and smartphones. All this new stuff meant we had to buy more hardware (often of multiple kinds for multiple needs) and probably also get a cellular data plan. Now most connected folks

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pay around $100 combined for home broadband and cellular data, and even more for a family. Though connection speeds keep increasing, so too do rates for service. Comcast buying Time Warner Cable can't be good for consumer costs. And we in this country pay more and get less bandwidth than a lot of other countries. Some countries may not have good water or sewer systems, but even the poor there have cell phones and five bars. We are getting Google Fiber in an additional 34 major U.S. cities soon, however (but still not in San Diego; I want it now!).

We couldn't get online while onboard, so the airlines are rolling out more in-flight Internet access (for a price). Google knew we'd find tablets and smartphones were not convenient enough, so they developed Google Glasses, and others are working on their own wearable computing devices. Our homes and appliances will soon be connected to the Internet (the IoT, or Internet of Things), so we can monitor our homes remotely and have our fridge tell us when we are low on milk. What these new devices will cost us in privacy and other social and

civil issues is yet to be determined.

We wanted instant access to our money and finances, and so the banks gave it to us. Now we can get cash anytime from an ATM machine, make purchases without cash by using credit or debit cards and get instant access to our account information at any time. If we want to deposit a check right now, we don't even have to drive to a bank branch or ATM. We can now just take a photo of the check with our smart phone and deposit it through a banking app.

With all of our financial information available online, it was just a matter of time before criminal elements took notice. Now you have to protect and remember lots of unique and complex passwords for all the banking, e-commerce and other online accounts you use, so you can keep your money and identity safe. Unfortunately it is not only in your hands to protect. Financial institutions and merchants that store your information on their computers can be targets for data theft. There is a lot the institutions could do to increase security, like multi-factor authentication and smart chip credit cards, but these things cost money. A few things they

have been doing to help prevent fraud are useful but put the onus on the account holder. Most bank and credit card companies encourage their customers to set up alerts on their accounts to help flag suspicious transactions. I have set these up on my accounts and find them very useful.

I have my credit cards alert me, through an email and/or a text message, when a purchase is made without the card being presented to the merchant, as in an online purchase. This can help alert you to fraudulent account activity as soon as it happens. My Visa card is set up to send me an alert when a gas pump purchase is made. I use this card often at a particular low-cost gas station and am amazed at how quickly I am notified. After I swipe my card, enter my zip code and press the Enter button on the pump, I can't count to five before I feel my cell phone vibrating in my pocket with a text informing me of the transaction and location. That is pretty cool!

When we want to purchase something, we want it now. E-commerce has allowed the shopper to buy a much wider array of products online than is typically available in neighborhood stores, often at much lower prices. The one advantage for brick and mortar stores is the instant gratification of walking out with your purchase. Online merchants are working hard to minimize delivery time, offering one or two-day delivery for a premium. Amazon's Prime service provides two-day delivery for many items for an annual subscription fee. Amazon knows we want even more and is looking at using predictive algorithms to pre-position products you are likely to purchase in local warehouses and is even working on 30-minute delivery of small items by autonomous flying quadcopters. I can't wait (but I'll bet it won't be cheap).

Taco Bell is working to fulfill our desire for fast food right now. They plan to introduce a mobile ordering system later this year. Through their mobile app, already tested in five locations in Orange County, customers can place an order with the closest Taco Bell location and pay through their phone with credit or gift cards. The order can be picked up in-store or

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at the drive-through window, and the app will use GPS location to let the store know when the customer is near, so the order is ready and freshness is maintained. I'm not sure I want Taco Bell to know how far I am from their restaurants. Other chains are working on mobile apps of their own.

There goes more of our privacy in exchange for quick eats. When we want to watch a movie, we no longer have to wait to buy or rent a DVD (or Blu-ray) or go to a theater. We can watch our entertainment streamed to our computer, tablet or smart phone the instant we want it, in almost any location we choose. We can easily stay connected with our friends through social media like Facebook, allowing us to share our activities and see what everyone else is doing. Unfortunately, when watching other things happening becomes too convenient, doing things yourself can get pushed aside and lots of time can be spent in watching the Internet world go by, with little to show for it.

When we miss our far-away loved ones, we can not only speak to them, we can also see them, and at reasonable costs. The Internet has brought us VoIP, or voice over Internet Protocol, and along with it lower rates (often free) for long distance phone calls. Programs like Skype provide video calls at reasonable costs. And for those of us that can't wait until the afterlife to converse again with our deceased loved ones, a new start-up, Eterni.me, promises to help. Through access to a dead person's online interactions (chat logs, social network information, emails), they claim to use artificial intelligence algorithms to construct an avatar or virtual person that the living can interact with. It could be like online chat with a dead person. To satisfy our need for instant interactions with help lines and tech support, companies are working on similar avatars with artificial intelligence (even more intelligent than Siri). When we need to talk to a person right now, the avatar would be there and not even require a salary. It would be good if they got to the point where I could not tell if I was talking with a person or a machine. It would be bad if they got to the point where I could not tell if I was talking with a person or a machine.

All these advances in convenience and quick access

come at the cost of our data security and privacy. We can get quick answers to all our questions, get directions and compare products online, but we must realize that the Technology, computers and the Internet will continue to try to provide what we want (though perhaps not what we need), as long as there is profit in it somewhere for someone. Hopefully we can learn to use these advances for the betterment of ourselves and others, appreciate them, and not become like spoiled children crying "I want it now!"

Google and Bing and merchants are all keeping track of what we are asking for and about. Seeking online information about sensitive topics or items might create undesirable associations in the data they hold about us. And while a lot of tech jobs have been created due to the Internet, there have also been some job losses. Just ask the former bank tellers, video rental clerks, encyclopedia salespersons and retail store workers that lost their jobs due to the effects of the Internet.

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Two Factor Authentication — Proof of Identity
Phil Sorrentino, Staff Writer, The Computer Club, Inc., Sun City Center, FL
Newsletter: The Journal (www.scccomputerclub.org/) philsorr (at) yahoo.com

When you walk up to a teller in a bank and request information about your bank account, the teller may ask you to authenticate yourself by providing a picture form of identification. But if you have been going to this bank for many years and she is familiar with you, she may just give you the information. In truth, your face and her knowledge of you have provided the necessary authentication for her to respond to your requests. Authentication is much easier in the real world than it is in the software and computer-network world.

Authentication is the act of proving one is really

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who one says he or she is. In the computer world, we all experience this every time we sign on to one of our accounts or websites. Typically we are asked for a User Name and a Password. The correct User Name and Password combination proves, to the software requesting these items, that we are who we say we are. Of course, we could give our User Name and Password to a friend, something we rarely want to do because then he would be able to authenticate himself as the owner of our account. "Hacking" occurs when someone or some software program attempts to guess your Password after acquiring your User Name: maybe from some public information source. (Remember, User Names are available all over the internet.) This is a form of brute force "hacking" of an account. And unfortunately, there are many other, more sophisticated, ways of hacking into an account.

So, more formally, "Authentication is the act of confirming the truth of an attribute of a datum or entity, which might involve confirming the identity of a person or software program, or ensuring that a product is what it's packaging and labeling claims to be."

In other words, Authentication involves verifying the validity of at least one form of identification. As it turns out, practically, there can be three forms of authentication, called factors. Now, two-factor authentication requires the use of two of the three authentication factors. These factors are:

• Something only the user knows (e.g., password, PIN, pattern);

• Something only the user has (e.g., ATM card, email account, mobile phone); and

• Something only the user is (e.g., biometric characteristic, such as a finger print).

(These factors are so important for authentication that they are identified in government documents in the standards and regulations for access to U.S. Federal Government systems.) Some security procedures now require *three-factor authentication,* which involves possession of a password, and a physical token, used in conjunction with biometric data, such as a fingerprint, or a voiceprint, or a retina scan.

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Two-factor authentication is not a new concept. When a bank customer visits a local automated teller machine (ATM), one authentication factor is the physical ATM card that the customer slides into the machine ("something the user has"). The second factor is the PIN the customer enters through the keypad ("something the user knows"). Without the corroborating verification of both of these factors, authentication does not succeed. Another example is when you use your credit card for a gasoline purchase and you have to enter your ZIP code to confirm the charge. You must provide a physical factor (something you own), the card, and a knowledge factor (something you know), the ZIP code. These examples show the basic concept of a two-factor authentication system: the combination of something the user knows and something the user has.

"Something only the user knows" is termed a Knowledge factor and is the most common form of authentication used. In this form, the user is required to prove knowledge of a secret in order to authenticate, typically, a password, PIN, or a Pattern. All of us are familiar with the password which is a secret word or string of characters. This is the most commonly used mechanism for authentication. Many two-factor authentication techniques rely on a password as one factor of authentication. A PIN (personal identification number), is a secret series of numbers and is typically used in ATMs. A Pattern is a sequence of things, like lines connecting the dots on the login screen of a cell phone or tablet.

"Something only the user has" is termed a Possession factor. A key to a lock is a good example. With today's computer systems your email account or your phone or a swipe-card is used as a possession factor.

"Something only the user is" is termed an Inheritance factor. Historically, fingerprints, a biometric method, have been used as the most authoritative method of authentication. Other biometric methods such as retinal scans are possible, but have shown themselves to be easily fooled (spoofed) in practice.

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Two-factor authentication is sometimes confused with "strong authentication", but these are fundamentally different processes. Soliciting multiple answers to challenge questions may be considered strong authentication, but, unless the process also retrieves "something the user has" or "something the user is", it would not be considered two-factor authentication.

Two-factor authentication seeks to decrease the probability that the requester is presenting false evidence of its identity. The more factors used, the higher the probability that the bearer of the identity evidence is truly that identity. These systems ask for more than just your password. They require both "something you know" (like a password) and "something you have" (like your phone or email account). After you enter your password, you'll get a second code sent to your phone or email, and only after you enter it will you get into your account. It is a lot more secure than a password only, and helps keep unwanted snoopers out of your accounts.

Many well-known systems employ two-factor authentication. Some of these are: Amazon Web

Services, Dropbox, Facebook, Google Accounts, Microsoft/Hotmail, Paypal/eBay, Twitter, and Evernote. The two factor authentication will typically be employed when you are using a different computer, or a computer from a different location, when trying to access one of your accounts.

Most of these two-factor implementations send you a 6 digit code via a text message for you to input when you receive it. This 6 digit code becomes the second factor to be used with the original password. This definitely adds an extra step to your log-in process, and depending on how the account vendor has implemented it, it can be a minor inconvenience or a major annoyance. (And it also depends on your patience and your willingness to spend the extra time to ensure the higher level of security.) But in the long run the use of a two-factor authentication improves the security of your private information, no doubt something we all want.

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SIG News

LUNICS (Linux/Unix)
Andreas Meyer (lunics@acgnj.org)
http://www.acgnj.org/groups/lunics.html

LUNICS is a group for those who share an interest in Unix and similar operating systems. While we do quite a bit with Linux, we've also been known to discuss Solaris and BSD as well. Recent meetings have followed a Random Access format. See our web page for further information. (We meet on the first Monday of each month, at 8:00 PM). ▭

Main Meeting
Evan Williams (president@acgnj.org)
http://www.acgnj.org/groups/mainmeet.html

We meet on the first Friday of the month, at 8:00 PM. Each December, this meeting includes our Annual Business Meeting and Officer Elections. *No* meetings in July or August. ▭

Layman's Forum
Matt Skoda (som359@gmail.com)
http://www.acgnj.org/groups/laymans.html

This SIG discusses issues of interest to novice users or those planning to get started in computing. Watch our Web page for updates and announcements. We meet at the same time as the Hardware Workshop. (On the second Monday of the month, at 8:00 PM). *No* meetings in July and August. ▭

Hardware Workshop
Mike Reagan (hardware@acgnj.org)

This group is dedicated to repairing, refurbishing and/or recycling older computers. Ten people attended the first meeting, so there is still a market for this type of event. Although we looked at some of the older equipment stored in he back room, most of our time was spent in talking about ast experiences and planning for the future. Hopefully, we can establish a viable long-term schedule of projects, and keep the interest of those who attended this inaugural meeting. If you have a hardware problem, bring it in and we can all help fix or demolish it. (No guarantees either way.) We meet at the same time as the Layman's Forum. (On the second Monday of each month, at 8:00 PM). ▭

Java
Mike Redlich (mike@redlich.net)
http://www.redlich.net/javasig/javasig.html

This SIG covers beginner, intermediate, and advanced level Java programming. Primary focus is on developing useful/practical applets and applications. (We meet on the second Tuesday of each month, at 7:30 PM). ▭

Mobile Devices
Brenda Bell (mobdevsig@acgnj.org)

The Mobile Devices SIG focuses largely on current-generation cellphones and smart phones (such as Blackberry, Android, iPhone) which bridge the gap between basic cell phones and traditional computers, and how they can help you manage and organize your life. Our membership ranges from those who have recently acquired their first, basic cellphone to those who develop applications for today's modern smart phones, iPods, and ultra-portable computers. While we expect to spend much of our time investigating the built-in features and specialized applications available to modern smart phones, if you bring your basic (or multimedia) cell phone, iPod, or other mobile device with questions on how to use it, where to find applications, or what features they have, we are always happy to help! Meet and greet and plan where this event goes. Bring all your ideas, PDAs, fancy phones, etc. (We meet on the second Wednesday of alternate months (we get the even ones), at 7:30PM). ▭

WebDev
Evan Williams (webdev@acgnj.org)

This SIG is an open forum for all Website Development techniques and technologies, to encourage study and development of web sites of all kinds. All languages will be considered and examined. The current project is a CMS for the club. Anyone interested in starting a new project, come to the meeting and announce/explain. Provide as much detail as possible. WebDev should be an all-encompassing development and examination forum for all issues, applications, OS, languages and systems one can use to build Websites. We currently

have two web development language SIGs: .NET and Java; but other languages and OS need to be investigated, examined and tested; Windows, Linux, UNIX, DEC, Vax, HP etc. Intel-PC, Motorola - MAC etc. (We meet on the second Wednesday of alternate months (we get the odd ones), at 7:30 PM).

Investment Software
Jim Cooper (jim@thecoopers.org)
http://www.acgnj.org/groups/sig_investment.html

The Investment SIG continues with presentations on how to use analysis programs TC2000 and TCNet. Large charts are presented on our pull down screen and illustrate the application of computer scans and formulas to find stocks for profitable investments. Technical analysis determines buy points, sell points and projected moves. Technical analysis can also be used on fundamentals such as earnings, sales growth, etc. We're no longer focusing on just Telechart. If you are using (or interested in) Tradestation, eSignal, VectorVest, or just in learning how to select and use charting and technical analysis, come join us!! (We meet on the second Thursday of the month, at 8 PM).

NJ Gamers
Gregg McCarthy (greggmajestic@gmail.com)
http://www.NJGamers.com
www.lanparty.com

The Friday Night Frag starts at 6:00 PM on the second Friday of each month, and keeps going until 12 Noon on Saturday - 18 hours for 5 bucks!
BYOC - Bring your own computer.
BYOF - Bring your own food.
And if you don't like sitting on metal folding chairs... BYO chair!

Web Browser (Formerly **Firefox**)
David McRitchie (firefox@acgnj.org).

This SIG is an open forum for all Firefox and Mozilla techniques and technologies, to encourage study and development of web sites of all kinds. All browsers will be considered and examined. All members and guests are invited to check out the design concepts and voice their opinion. (We meet on the third Monday of each month, at 7:30 PM).

C/C++ Programming
Bruce Arnold (barnold@ieee.org)
http://acgnj.barnold.us/index.html

This is a forum for discussion of programming in general, beginning and intermediate level C, C++, C-Win programming, hardware, algorithms, and operating systems. We demonstrate real programming in a non-intimidating way, presenting complete code for working programs in 3-5 sheets of paper. (We meet on the third Tuesday of each month, at 7:30 PM). *No* meetings in July or August.

Window Pains
John Raff (jraff@comcast.net)
http://www.acgnj.org/groups/winpains.html

Intended to provide members with Windows oriented discussions, Microsoft and Linux style. Directed to more technological level of attendee, but newbies are welcomed. (We meet on the third Friday of the month at 8:00 PM). *No* meetings in July or August.

37th Anniversary Newsletter CD Now On Sale
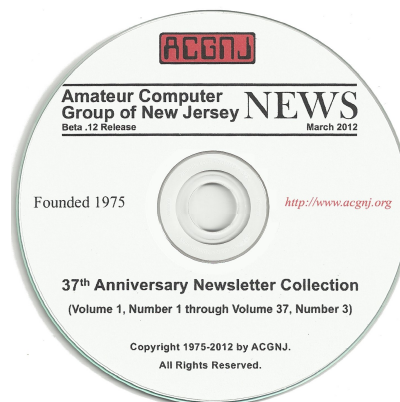
Beta .12 Release.

$8.00, including postage.

($7.00 if you pick up a copy at a meeting).

Get yours today!

Back Issues *Still* Needed

Our collection remains incomplete. Below is a list of missing newsletters. Anyone who lends us one of these (or supplies a good clear copy) will receive the next CD as our thanks.

1975: #2 and #3 (dates uncertain).
1976: January.
1984: August.
1985: June, July, August, September.

Guru Corner

If you need help with any of the technologies listed below, you can call on the person listed. Please be considerate and call before 10 PM.

Software

HTML	Mike Redlich	908-246-0410
	Jo-Anne Head	908-769-7385
ColdFusion	Jo-Anne Head	908-769-7385
CSS	Frank Warren	908-756-1681
	Jo-Anne Head	908-769-7385
Java	Mike Redlich	908-246-0410
C++	Bruce Arnold	908-735-7898
	Mike Redlich	908-246-0410
ASP	Mike Redlich	908-246-0410
Perl	John Raff	973-560-9070
	Frank Warren	908-756-1681
XML	Mike Redlich	908-246-0410
Genealogy	Frank Warren	908-756-1681
Home Automation	Frank Warren	908-756-1681

Operating Systems

Windows 3.1	Ted Martin	732-636-1942

ACGNJ MEMBERSHIP APPLICATION

Sign up online at *www.acgnj.org/membershipApplication.html* and pay dues with PayPal.

Dues	US/CANADA	STUDENT	SENIOR CITIZEN (Over 65)
1 Year	$25	$20	$20
2 Years	$40		
3 Years	$55		$45

Mail this application and your check to:

AMATEUR COMPUTER GROUP OF NEW JERSEY, INC., P.O. BOX 135, SCOTCH PLAINS, NJ 07076

❏ New Member ❏ Renewal ❏ Address Change

First Name _____ Last Name _____ Phone _____

Mailing Address _____ E-Mail _____

City _____ State _____ Zip _____ URL _____

What topics would you like to see covered at club meetings? _____

Other Local Computer Groups

|		
Princeton Macintosh User Group: 7:15 pm 2nd Tuesday, Jadwin Hall, A-10, Washington Rd, Princeton, (609) 252-1163, *www.pmug-nj.org*	**Linux Users Group in Princeton**: 7 pm, 2nd Wednesday, Lawrence Branch Mercer Library, Rt#1 & Darrah Lane, Lawrence NJ *http://www.lugip.org*	**New York PC**: 3rd Thurs, 7 pm, PS 41, 116 W 11th St. For info call hotline, (212) 533-NYPC, *http://www.nypc.org*
Computer Education Society of Philadelphia: Meetings & Workshops at Jem Electronics, 6622 Castor Ave, Philadelphia PA. *www.cesop.org/*	**Brookdale Computer Users Group**: 7 pm, 3rd Friday, Brookdale Community College, Bldg MAS Rm 100, Lincroft NJ. (732)-739-9633. *www.bcug.com*	**NJ Macintosh User Group**: 8 pm, 3rd Tuesday, Allwood Branch Library, Lyall Rd, Clifton NJ. (201) 893-5274 *http://www.njmug.org*.
PC User Group of So. Jersey: 2nd Mon., 7 pm, Trinity Presb. Church, 499 Rt 70 E, Cherry Hill, NJ. L. Horn, (856) 983-5360	**Hunterdon Computer Club**: 8:30 am, 3rd Sat, Hunterdon Medical Center, Rt 31, Flemington NJ. *www.hunterdoncomputerclub.org*, (908) 995-4042.	**NY Amateur Computer Group**: 2nd Thurs, 7 pm, Rm 806 Silver Bldg, NYU, 32 Waverly Pl, NYC. *http://www.nyacc.org*
Morris Micro Computer Club: 7 pm 2nd Thurs., Morris County Library, Hanover Ave, Morristown NJ, (973) 267-0871. *http://www.morrismicro.com*	**Central Jersey Computer Club**: 8 pm, 4th Friday, Rm 74, Armstrong Hall, College of NJ. Rich Williams, (609) 466-0909.	**NJ PC User Group**: 2nd Thurs, Monroe Rm at Wyckoff Public Library, 7 pm. Maureen Shannon, (201) 853-7432, *www.njpcug.org*
Philadelphia Area Computer Society: 3rd Sat, 12 noon Main Meeting, groups 8 am-3 pm. Upper Moreland Middle School, Hatboro PA. (215) 764-6338. *www.pacsnet.org*	**NJ Computer Club**: 6:15 pm, 2nd Wednesday except Jul & Aug, North Branch Reformed Church, 203 Rt 28, Bridgewater NJ. *http://www.njcc.org*	**Princeton PC Users Group**: 2nd Monday, Lawrenceville Library, Alt Rt 1 & Darrah Lane, Lawrenceville, Paul Kurivchack (908) 218-0778, *http://www.ppcug-nj.org*

Classified

Radio and TV Programs

Computer Radio Show, WBAI 99.5 FM, NY, Wed. 8-9 p.m.

Software Review, The Learning Channel, Saturday 10-10:30 p.m.

On Computers, WCTC 1450 AM, New Brunswick, Sunday 1-4 p.m. To ask questions call (800) 677-0874.

PC Talk, Sunday from 8 p.m. to 10 p.m., 1210 AM Philadelphia. 1-800-876-WPEN
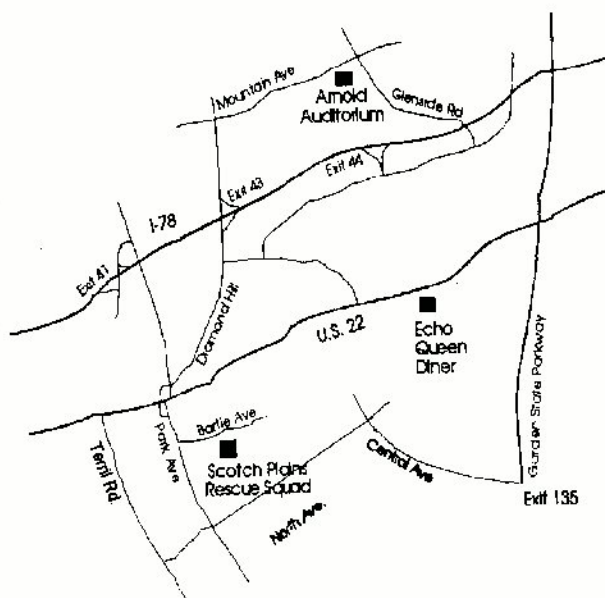
Directions to Meetings at Scotch Plains Rescue Squad, 1916 Bartle Ave., Scotch Plains NJ

From New York City or Northern New Jersey

Take Route 1&9 or the Garden State Parkway to US 22 Westbound.

From Southern New Jersey

Take Parkway north to Exit 135 (Clark). Stay on left of ramp, follow circle under Parkway. Bear right to Central Avenue; follow to Westfield and under RR overpass. Left at light to North Avenue; follow to light in Fanwood. Right on Martine (which becomes Park Ave). Right on Bartle Ave in middle of shopping district.Scotch Plains Rescue Squad (2-story brick) is located on the right. Do not park in the row next to the building — you'll be towed.

From I-78 (either direction)

Take exit 41 (Scotch Plains); follow signs to US 22. Turn right at light at bottom of hill and use overpass to cross Rt. 22. Follow US 22 Westbound directions.

From US 22 Westbound

Exit at Park Avenue, Scotch Plains after McDonalds on the right, diagonally opposite Scotchwood Diner on the left, immediately before the overpass. After exiting, turn left at the light and use overpass to cross US 22. Bear right at bottom of ramp to continue south on Park Avenue. Turn left at the second light (a staggered intersection). Scotch Plains Rescue Squad (2-story brick) is on the right. Do not park in the row next to the building — you'll be towed. We meet on the second floor, entering by the door at the right front of the building.

From Western New Jersey

Take US 22 Eastbound to the Park Avenue exit. The exit is about a mile past Terrill Road and immediately past the overpass. Exit onto Park Avenue South and follow the directions above to the Rescue Squad building. 💻